R: REDACTED MATERIAL

CURRICULUM VITAE

:vid Patrick Westfall

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EDUCATION::

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University:	A.B. (Biology) Brown University	1964
	M.S. (Pharmacology) West Virginia University	1966
	Ph.D. (Pharmacology) West Virginia University	1968

AWARDS:

1960-1964	Scholarship from Brown University
1964-1968	United States Public Health Service Predoctoral Fellowship in Pharmacology
1968-1969	J. H. Burn Postdoctoral Fellowship, Oxford University
1971, 1975	Co-recipient, MacLachlan Award for Excellence in Teaching in Basic Medical Science
1975	West Virginia University "Outstanding Teacher Award"
1977	Swiss National Research Council International Fellowships, Basel, Switzerland

POSTDOCTORAL/SABBATICAL TRAINING::

1968-1969	Dr. Edith Bülbring, Professor of Pharmacology, Oxford University, Oxford, England
1977	Dr. Hans Thoenen, Professor of Pharmacology, Biocenter of the University of Basel, Basel, Switzerland

ACADEMIC APPOINTMENTS:

1968-1969	Demonstrator in Pharmacology, Oxford University Oxford England
1970-1973	Assistant Professor of Pharmacology, West Virginia University Medical Center, Morgantown, WV
1973-1977	Associate Professor of Pharmacology, West Virginia University Medical Center, Morgantown, WV
1977-1982	Professor of Pharmacology, West Virginia University Medical Center, Morgantown, WV
1982-present	Professor and Chairman, Department of Pharmacology University of Nevada School of Medicine, Reno, NV

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SOCIETY MEMBERSHIPS:

American Society for Pharmacology and Experimental Therapeutics
Society for Neuroscience
Sigma Xi
American Association for the Advancement of Science

PROFESSIONAL, ADMINISTRATIVE AND COMMITTEE DUTIES:

1970-1975	Reviewer, Journal of Pharmacology & Experimental Therapeutics
1971-1973	Interviewer for WVU Medical School Admissions Committee
1972-1975	West Virginia University Faculty Senate (by election)
1972-1973	Member, Senate Committee on Research, Research Grants and Publications (by appointment)
1973-1982	Lecturer, West Virginia State Continuing Education Program in Pharmacology
1973-1974	Chairman, WVU Senate Committee on Research, Research Grants and Publications
1974-1976	Chairman, WVU Medical School Basic Science Committee on Faculty Travel and Medical Education Lectures
1975-	Member, Editorial Advisory Board, Journal of Pharmacology and Experimental Therapeutics
1976-1977	Member Nominating Committee of the American Society for Pharmacology and Experimental Therapeutics (by election)
1974-1978	Reviewer, European Journal of Pharmacology
1979-	Member, Editorial Advisory Board, European Journal of Pharmacology
1977-1979	Member, WVU Medical School Educational Program Committee
1977-1978	Member, WVU Medical School Faculty Promotion and Tenure Committee
1978-1979	Member, WVU Medical Student Research Committee
1978-1982	Chairman, Department Faculty Promotion and Tenure Committee
1978	Ad Hoc Study Section, National Heart, Lung and Blood Institute, NIH
1979-1982	Course Director, Pharmacology for Medical Students, WVU Medical School
1980	Program Project Site Visit Team, Neurology B, National Institute of Neurological Communicative Diseases and Stroke, NIH
1980	Member, Search Committee for Chairman, Ob-Gyn, WVU Medical School
1981-1984	Member, Long Range Planning Committee of the American Society for Pharmacology and Experimental Therapeutics
1981-1982	Member, WVU Department of Medicine Academic Review Committee
1981-1982	Chairman, Federation of American Societies for Experimental Biology and Medicine Summer Research Conference on Smooth Muscle

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RESEARCH GRANTS

Role	Period	Source and Title
o-Investigator	9/68-12/69	MRC, United Kingdom Pharmacology and Physiology of Smooth Muscle
o-Investigator	11/70-12/73	NINDS; NIH Mechanism of Supersensitivity of Drugs
o-Principal nvestigator	1/74-12/78	NINDS; NIH Mechanism of Nonspecific Supersensitivity to Drugs
rincipal nvestigator	1971	Institutional Research Grant; WVU The Effect of Cocaine on Smooth Muscle Responses
rincipal nvestigator	1/73-12/75	NIEHS; NIH Tolerance to Cholinesterase Inhibitors
o-Investigator	11/75-12/76	Institutional Research Grant; WVU The Fine Structure of the Smooth Muscle of the Rat Vas Deferens: Effects of Fixation and Drug Treatment on the Appearance and Number of Nexuses
o-Investigator	7/76-6/77	American Heart Association, West Virginia Affiliate Ca^{++} Transport in Supersensitive Aortic Smooth Muscle
o-Investigator	7/76-6/77	American Heart Association, West Virginia Affiliate Electrophysiology of Supersensitive Cardiac Pacemaker
o-Investigator	4/78-9/81	Institutional Research Grant; WVU Neuropharmacology of Smooth Muscle of the Vas Deferens and Bladder
o-Principal nvestigator	1/79-12/81	NINCDS, NIH Mechanism of Nonspecific Supersensitivity to Drugs
o-Investigator	7/81-6/82	American Heart Association, West Virginia Affiliate Ionic/Neural Changes in the Cardiomyopathic Hamster
o-Principal nvestigator	1/82-12/85	NINCDS, NIH Mechanism of Nonspecific Supersensitivity to Drugs

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SEMINARS BY INVITATION AT OTHER INSTITUTIONS

niversity of Virginia Medical School harlottesville, VA	1971,1973
emorial University Medical School t. Johns, Newfoundland	1974
niversity of Massachusetts Medical School orcester, MA	1974
niversity of Texas Medical School an Antonio, TX	1975
outhern Illinois Medical School pringfield, IL	1976
ational Institutes of Health aboratory of Neuropharmacology ashington, DC	1976
offman-LaRoche Co., Inc. asel, Switzerland	1977
niversity of Würzburg ürzburg, Germany	1977
xford University xford, England	1977
t. Louis University Medical School t. Louis, MO	1980
outhern Illinois Medical School pringfield, IL	1981
niversity of Nevada School of Medicine eno, NV	1981
niversity of Pittsburgh School of Pharmacy ittsburgh, PA	1981

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SESSIONS CHAIRED AT SCIENTIFIC MEETINGS

ession on Adrenergic Pharmacology ederation Meetings, Atlantic City, NJ	1974
ession on Smooth Muscle ixth International Congress of Pharmacology elsinki, Finland	1975
ession on Cardiac Receptors ardiovascular Satellite Meeting end, Oregon	1979
ession on Adrenergic Pharmacology merican Society for Pharmacology nd Experimental Therapeutics ochester, MN	1980
ession on New Drugs and Vasoactive Substances ourth International Symposium on Vascular euroeffector Mechanism yoto, Japan	1981

POSTDOCTORAL AND SABBATICAL INVESTIGATORS

(supervisor or co-supervisor)

r. Sergio de Moraes

r. Katsutoshi Goto

r. Jeffrey S. Fedan

r. Stephen Johnson

r. Penelope A. Longhurst

Dr. Stanley K. Wong

Dr. Peter Sneddon

Dr. Frederick F. Cowan, Jr.

Dr. Regina Markus

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RREDOCTORAL STUDENT THESIS COMMITTEES

(*denotes thesis advisor)

ame	Major
Tony J. -F. Lee	Pharmacology
David A. Taylor	Pharmacology
William T. Gerthoffer	Pharmacology
ennis Foley	Pharmacology
ames M. Rowe	Pharmacology
. Andrew Zepp	Pharmacology
illiam V. Judy	Physiology & Biophysics
incent Castranova	Physiology & Biophysics
. Clark Lantz	Physiology & Biophysics
erry Farley	Physiology & Biophysics
elle Cimbala	Biochemistry
oy Fogwell	Reproductive Physiology
eter Abel	Pharmacology
Theodore Torphy	Pharmacology
Blanche Levitt	Pharmacology
John Schulz	Pharmacology
teve Ross	Pharmacology
oyce Kille	Physiology
. Kurt Hogaboom	Pharmacology
uzanne Barone	Pharmacology

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INVITED SYMPOSIA LECTURES

:orphological and biochemical changes in supersensitive smooth muscle t the Symposium on Supersensitivity in Smooth Muscle, Federation :eetings, April, 1974.

'hanges in effector sensitivity not mediated by receptor alterations t the Neurosciences Research Program Work Session on Mechanism of :egulation of Neuronal Sensitivity, May, 1978.

'hysiological changes in responsiveness to catecholamines at the ·ymposium on Tachyphylaxis to Catecholamines, ASPET Meetings, August, 978.

ne role of purines in autonomic neurotransmission, at the annual :eeting of the Research Discussion Group, Atlanta, GA, April, 1981.

ne use of arylazido aminopropionyl ATP, a new ATP antagonist, to dentify the role of purines in neuronal transmission, at the atellite meeting of the 8th International Congress of Pharmacology ntitled Vascular Neuroeffector Mechanisms, Kyoto, Japan, July, 1981.

BOOK CHAPTERS

:estfall, D.P. (1981) Supersensitivity of smooth muscle. In Smooth Muscle: An Assessment of Current Knowledge, eds. E. Bülbring, A.F. Brading, A. W. Jones and T. Tomita. pp 285-309. Edward Arnold

'harmacological Treatment of Hypertension in Modern Pharmacology, eds. C.R. Craig and R.E. Stitzel, Little, Brown and Co., Boston, 1982.

dmenoceptor Blocking Drugs in Modern Pharmacology, eds. C.R. Craig and R.E. Stitzel, Little, Brown and Co., Boston, 1982.

'ostjunctional Supersensitivity (with W.W. Fleming) in Handbook of Experimental Pharmacology, Volume "Catecholamines II, eds. U. Trendelenburg and N. Weiner, Springer-Verlag, Berlin, in press.

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ications:

estfall, D.P. and W.W. Fleming (1968). Sensitivity changes in the dog heart to norepinephrine, calcium and aminophylline resulting from pretreatment with reserpine. J. Pharmacol. Exp. Ther. 159:98-106

tahl, P.D., R.A. Gillis, D.P. Westfall adn A.D. Kenny (1968). Thyrocalcitonin in the dog heart-lung preparation: serum calcium and phosphorus responses. Life Sciences 7:1105-1110.

Westfall, D.P. and W.W. Fleming (1968). The sensitivity of the guinea-pig pacemaker to norepinephrine and calcium after pretreatment with reserpine. J. Pharmacol. Exp. Ther. 164:259-269

Westfall, D.P., P.E. Gilbert and W.W. Fleming (1969). Tension-response relationships in the intact nictitating membrane of the pithed cat. J. Pharmacol. Exp. Ther. 169:196-200.

Westfall, D.P. (1970). Nonspecific supersensitivity of the guinea-pig vas deferens produced by decentralization and reserpine treatment. Brit. J. Pharmacol 39:110-120.

Westfall, D.P. (1970). The effect of reserpine treatment and decentralization on the ion distribution in the vas deferens of the guinea-pig. Brit. J. Pharmacol 39:121-127.

Westfall, D.P., D.C. McClure and W.W. Fleming (1972). The effects of denervation, decentralization and cocaine on the response of the smooth muscle of the guinea-pig vas deferens to various drugs. J. Pharmacol. Exp. Ther. 181:328-338.

Fleming, W.W., D.P. Westfall, I.S. de la Lande and L. Jellett (1972). Log-normal distribution of equieffective doses of norepinephrine and acetylcholine in several tissues. J. Pharmacol. Exp. Ther. 181:339-345.

Westfall, D.P., D.A. Taylor and W.W. Fleming (1972). The effect of cocaine on the relative chronotropic potencies of sympathomimetics. Proc. Soc. Exp. Biol. Med. 141:363-366.

Fleming, W.W., J.J. McPhillips, and D.P. Westfall (1973). Postjunctional supersensitivity and subsensitivity of excitable tissues to drugs. Ergebnisse der Physiologie (Reviews of Physiology) 68:55-119.

Westfall, D.P. (1973). Antagonism by protriptyline and desipramine of the response of the vas deferens of the rat to norepinephrien, acetylcholine and potassium. J. Pharmacol. Exp. Ther. 185:540-550.

Westfall, D.P., J.J. McPhillips and D.J. Foley (1974). Inhibition of cholinesterase activity after postganglionic denervation of the rat vas deferens: Evidence for prejunctional supersensitivity to acetylcholine. J. Pharmacol. Exp. Ther. 189:493-498.

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or, D.A., D.P. Westfall and W.W. Fleming (1974). The effect of reserpine treatment on the chronotropic and inotropic sensitivities of the perfused guinea-pig heart to norepinephrine and calcium. Europ. J. Pharmacol. 29:102-108.

ee, T.J.-F., D.P. Westfall and W.W. Fleming (1975). The correlation between spontaneous contractions and postjunctional supersensitivity of the smooth muscle of the rat vas deferens. J. Pharmacol. Exp. Ther. 192:136-148.

leming, W.W. and D.P. Westfall (1975). Altered resting membrane potential in the supersensitive vas deferens of the guinea-pig. J. Pharmacol. Exp. Ther. 192:381-389.

leming, W.W., P.R. Urquilla, D.A. Taylor and D.P. Westfall (1975). Electrophysiological correlations with postjuctional supersensitivity. Fed. Proc. 34:1981-1984.

estfall, D.P., T.J.-F. Lee and R.E. Stitzel (1975). Morphological and biochemical changes in supersensitive smooth muscle. Fed. Proc. 34:1985-1989.

estfall, D.P., and J.S. Fedan (1975). The effect of pretreatment with 6-hydroxydopamine on the norepinephrine concentration and sensitivity of the rat vas deferens. Europ. J. Pharmacol. 33:413-417.

enedella, R.J., W.G. Crouthamel, G.C. Bierkamper and D.P. Westfall (1975). Alteration of drug pharmacodynamics by hyperlipidemia. Arch. int. Pharmacoldyn. 218:199-311.

estfall, D.P., K. Goto, R.E. Stitzel, J.S. Fedan and W.W. Fleming (1975). Effects of various denervation techniques on the ATP of the rat vas deferens. Europ. J. Pharmacol. 34:397-400.

leming, W.W., P.R. Urquilla and D.P. Westfall (1975). Membrane potential and supersensitivity in the vas deferens. In Chemical Tools in Catecholamine Research. Vol. II eds. O. Almgren, A. Carlsson and J. Engle. P. 107-109. North-Holland Publishing Co.

owe, J.N., K. VanDyke, D.P. Westfall and R.E. Stitzel (1976). The effect of denervation upon the in vitro incorporation of adenosine-8-^{3}H into ^{3}H-adenine nucleotides in the guinea-pig vas deferens. Pharmacology. 14:193-204.

aylor, D.A., D.P. Westfall, S. deMoraes and W. W. Fleming (1976). The effect of pretreatment with reserpine on the diastolic potential of guinea-pig atrial cells. Nauyn-Schmiedelberg's Arch. Pharmacol. 293:81-87.

otto, K., L. L. Millechia, D.P. Westfall and W.W. Fleming (1977). A comparison of the electrical properties and morphological characteristics of the smooth muscle of the rat and guinea-pig vas deferens. Pflugers Arch. 368:253-261.

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Westfall, D.P., L.L. Millechia, T.J.-F. Lee, S.P. Corey, D.J. Smith and W.W. Fleming (1977). Effects of denervation and reserpine on nexuses in the rat vas deferens. Europ. J. Pharmacol. 41:239-242.

Westfall, D.P. (1977). The effects of denervation, cocaine, 6-hydroxydopamine and reserpine on the characteristics of drug-induced contractions of the depolarized smooth muscle of the rat and guinea-pig vas deferens. J. Pharmacol. Exp. Ther. 201:267-275.

Johnson, S.M., D.P. Westfall, S.A. Howard and W.W. Fleming (1978). Sensitivities of the isolated ileal longitudinal smooth muscle-mysenteric plexus and hypogastric nerve vas deferens of the guinea pig following chronic morphine pellet implantation. J. Pharmacol. Exp. Ther. 204: 54-66.

Goto, K., D.P. Westfall and W.W. Fleming (1978). Denervation-induced changes in electrophysiologic parameters of the smooth muscle of the guinea-pig and rat vas deferens. J. Pharmacol. Exp. Ther. 204:325-333.

Westfall, D.P., R.E. Stitzel and J.N. Rowe (1978). The postjunctional effects and neural release of purine compounds in the guinea-pig vas deferens. Europ. J. Pharmacol. 50:27-38.

Urquilla, P.R., D.P. Westfall, K. Goto and W.W. Fleming (1978). The effects of ouabain and alterations in potassium concentration on the sensitivity to drugs and the membrane potential of the smooth muscle of the guinea-pig and rat vas deferens. J. Pharmacol. Exp. Ther. 207:347-355.

Fedan, J.S., D.P. Westfall and W.W. Fleming (1978). Species differences in sodium-potassium adenosine triphosphatase activity in the smooth muscle of guinea-pig and rat vasa deferentia. J. Pharmacol. Exp. Ther. 207:356-363.

Bertholfer, W.T., J.S. Fedan, D.P. Westfall, K. Goto and W.W. Fleming (1979). Involvement of the sodium-potassium pump in the mechanism of postjuctional supersensitivity of the vas deferens of the guinea pig. J. Pharmacol. Exp. Ther. 210:27-36.

Fedan, J.S., D.P. Westfall and W.W. Fleming (1980). Potentiation by supernatant of Ca^{2+} uptake in rabbit aortic microsomes: effect of pretreatment of animals with reserpine. Life Sciences 26:469-474.

Fleming, W.W., P.W. Abel, P.R. Urquilla and D.P. Westfall (1980). Electrophysiologic correlations with supersensitivity in vascular smooth muscle: A minireview. In Vascular Neuroeffector Mechanisms. ed. J.A. Bevan et. al. pp. 123-128. Raven Press.

Fedan, J.S., G.K. Hogaboom, J.R. O'Donnell, J. Colby and D.P. Westfall (1981). Contribution by purines to the neurogenic response of the vas deferens of the guinea-pig. Europ. J. Pharmacol. 69:41-53.

Abel, P.W., P.R. Urquilla, K. Goto, D.P. Westfall, R.L. Robinson and W.W. Fleming (1981). Chronic reserpine treatment alters sensitivity and membrane potential of the rabbit saphenous artery. J. Pharmacol. Exp. Ther. 217: 430-439.

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, S.K., D.P. Westfall, J.S. Fedan and W.W. Fleming (1981). The involvement of the sodium-potassium pump in postjunctional supersensitivity of the guinea-pig vas deferens as assessed by ^{3}H-ouabain binding. J. Pharmacol. Exp. Ther 219: 163-169.

evitt, B., and D.P. Westfall (1982). Factors influencing the release of purines and norepinephrine in the rabbit portal vein. Blood Vessels 19: 30-40.

chulz, J.C. and D.P. Westfall (1982). A pharmacological analysis of the α-adrenoceptor antagonism by parzosin in arteries and veins. Blood Vessels. 19: 79-87.

elis, J.A., J.E. Colby and D.P. Westfall (1982). Effects of α-adrenoceptor agents on norepinephrine release from vas deferens of several species including man. Europ. J. Pharmacol. 78: 487-490.

edan, J.S., G.K. Hogaboom, D.P. Westfall and J.P. O'Donnell (1982). Comparison of contractions of the smooth muscle of the guinea-pig vas deferens induced by ATP and related nucleotides. Europ. J. Pharmacol. 81: 193-204.

mith, D.J., D.P. Westfall and J.D. Adams (1982). Assessment of the potential agonistic and antagonistic properties of ketamine at opiate receptors in the guinea-pig ileum. Neuropharmacology 21: 605-611.

eddon, P., D.P. Westfall and J.S. Fedan (1982). Investigation of relaxations of the rabbit anococcygeus muscle by nerve stimulation and ATP using the ATP antagonist ANAPP$_3$. Europ. J. Pharmacol. 80: 93-98.

neddon, P., D.P. Westfall and J.S. Fedan (1982). Cotransmitters in the motor nerves of the guinea pig vas deferens: Electro-physiological evidence. Science 218: 693-695.

edan, J.S., G.K. Hogaboom, D.P. Westfall and J.P. O'Donnell (1982). Comparison of the effects of arylazido aminopropionyl ATP (ANAPP$_3$), an ATP anagonist, on responses of the smooth muscle of the guinea-pig vas deferens to ATP and related nucleotides. Europ. J. Pharmacol. 85: 277-290.

orphy, T.J., D.P. Westfall and W.W. Fleming (1982). Effect of reserpine pretreatment on mechanical responsiveness and (^{125}I) iodohydroxy-benzylpindolol binding sites in the guinea-pig right artrium. J. Pharmacol. Exp. Ther. 223: 332-341

estfall, D.P., G.K. Hogaboom, J. Colby, J.P. O'Donnell and J.S. Fedan (1982). Direct evidence against a role of ATP as the nonadrenergic, noncholinergic inhibitory neurotransmitter in guinea-pig taenia coli. Proc. Natl. Sci. 79: 7041-7045.

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RACTS:

estfall, D.P. (1966). Supersensitivity of the heart-lung preparation of the dog to norepinephrine following chronic treatment with reserpine. Fed. Proc. 25:690.

estfall, D.P. and W.W. Fleming (1967). Reserpine-induced sensitivity changes in the dog heart-lung preparation. Fed. Proc. 25:509.

estfall, D.P. and W.W. Fleming (1968). The effect of pretreatment with reserpine on the sensitivity of the atrial pacemaker to norepinephrine and calcium. Fed. Proc. 27:405

estfall, D.P. and W.W. Fleming (1968). Reserpine-induced supersensitivity in perfused rabbit hearts. Pharmacologist 10:218.

leming, W.W. and D.P. Westfall (1968). Depression of the chronotropic response to norepinephrine following pretreatment with reserpine. Pharmacologist 10:218.

estfall, D.P. (1969). The effect of decentralization and reserpine-treatment on the sensitivity of the isolated vas deferens of the guinea-pig to stimulate drugs. Br. J. Pharmac. 37:514-515.

ming, W.W. and D.P. Westfall (1970). Geometric means and normal distribution of equieffective doses of norepinephrine and methylfurmethide. Pharmacologist 12:307.

estfall, D.P. and W.W. Fleming, (1971). Potentiation of the maximum response of the rat vas deferens to norepinephrine and acetylcholine by cocaine. Fed. Proc. 30:656.

estfall, D.P., D.C. McClure and W.W. Fleming (1971). Changes in the response of the smooth muscle of the guinea pig vas deferens to stimulant drugs following denervation. Pharmacologist 13:199.

cClure, D.C., D.P. Westfall, and W.W. Fleming (1971). The effect of postganglionic denervation of the sensitivity of the smooth muscle of the guinea pig vas deferens to electrical stimulation. Pharmacologist 13:199.

estfall, D.P. (1972). Antagonism of the response of the vas deferens of the rat to norepinephrine, acetylcholine and potassium exhibited by protriptyline and desipramine. Fifth International Congress of Pharmacology, San Francisco, Calif. July 23-28, p.251.

ee, T. J-F. and D.P. Westfall (1973). Spontaneous contractions in denervated rat vas deferens. Fed. Proc. 32:795.

cPhillips, J.J., D.P. Westfall and D.J. Foley (1973). Inhibition of cholinesterase activity after postganglionic denervation of the rat vas deferens. Pharmacologist 15:172.

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T. J-F., D.P. Westfall, D. J. Smith and W.W. Fleming (1973). Morphological evidence for an increase in cell contacts (nexus) between smooth muscle cells of the rat vas deferens after postganglionic denervation. Pharmacologist 15:172.

estfall, D.P. and R.E. Stitzel (1973). Temporal relationship between increases in adenosine triphosphate and postjunctional supersensitivity in the smooth muscle of the vas deferens. Pharmacologist 15:172.

owe, J.N., D.P. Westfall, R.E. Stitzel and K. Van Dyke (1973) Increased conversion of ^{3}H-Adenosine to ^{3}H-Adenosine triphosphate (^{3}H-ATP) after postganglionic denervation of the rat vas deferens. Pharmacologis 15:172.

aylor, D.A., D.P. Westfall and W.W. Fleming (1974). Reserpine induced changes in the transmembrane potential of atrial cells of the guinea-pig heart. Fed. Proc. 33:469.

enedella, R.A. and D.P. Westfall (1974). Experimental atherosclerosis and changes in response to hypotensive and hypertensive drugs. Fed. Proc. 33:529.

estfall, D.P. (1974). Analysis of the potassium-induced biphasic response of the smooth muscle of the rat vas deferens. Pharmacologist 16:274.

owe, J.N., K. Van Dyke, D.P. Westfall and R.E. Stitzel (1974). Synthesis of ^{3}H-ATP from ^{3}H-adenosine in innervated and denervated guinea pig vas deferens. Pharmacologist 16:289.

owe, J.N., K. Van Dyke, D.P. Westfall and R.E. Stitzel (1975). In Vitro synthesis of ATP in the guinea pig vas deferens. Fed. Proc. 34:739.

oto, K., D.P. Westfall, R.E. Stitzel, J.S. Fedan and W.W. Fleming (1975). A comparison of the effects of different techniques for producing postganglionic denervation on the ATP concentration of the rat vas deferens. Fed. Proc. 34:819.

Fleming, W.W., D.P. Westfall and P.R. Urquilla (1975). Correlation between resting membrane potential (RMP) and supersensitivity in the vas deferens. Abstracts of Symposium "Chemical Tools in Catecholamine Research" Gothenburg, Sweden.

estfall, D.P., L. Millecchia and W.W. Fleming (1975). A comparison of the effects of denervation and reserpine pretreatment of the incidence of nexuses in the smooth muscle of the rat deferens. Sixth International Congress of Pharmacology, Helsinki, Finland, July 20-25, p. 186.

leming, W.W. and D.P. Westfall (1975) Supersensitivity of the depolarized smooth muscle of the rat vas deferens. Sixth International Congress of Pharmacology, Helsinki, Finland, July 20-25, p. 186.

fall, D.P. and J.S. Fedan (1975) The effects of pretreatment with -hydroxydopamine on the response of the smooth muscle of the rat vas deferens. Pharmacologist 17:270.

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ito, K.L., L. Millecchia, D.P. Westfall and W.W. Fleming (1975). A comparison of some electrophysiological and morphological characteristics of the rat and guinea-pig vas deferens. Pharmacologist 17:271.

emedella, R.J., W.G. Crouthamel, G.G. Bierkamper and D.P. Westfall (1975). Alteration of drug pharmacodynamics by hyperlipidemia. Abstracts of International Colloquy of Lipoproteins and Hyperlipemics. Lisbon, Portugal, C-12.

edan, J.S., D.P. Westfall and W.W. Fleming (1976). Differences in Na^+ and K^+ -activated, Mg^{++} -dependent ATPase activity between guinea-pig and rat vas deferens. Fed. Proc. 35:842.

erthoffer, W.T. and D.P. Westfall (1976). Characterization of the β-adrenoceptors of the guinea-pig vas deferens. Pharmacologist 18:139.

oto, K., D.P. Westfall, W.W. Fleming (1976). The effect of denervation on certain electrophysiological parameters of the vas deferens of the guinea-pig and rat. Pharmacologist 18:180.

omnson, S.M., D.P. Westfall, W.W. Fleming and S. A. Howard (1977). Sensitivity changes in the ileal longitudinal muscle-myenteric plexus preparation of the guinea pig after chronic morphine implantation. Fed. Proc. 36:1010.

erthoffer, W.T., J.S. Fedan, D.P. Westfall, W.W. Fleming adn R. E. Stitzel (1977). Effect of denervation on the (Na^+ + K^+) activated, Mg^{++} dependent ATPase activity in guinea-pig vas deferens. Fed. Proc. 36:1021.

omnson, S.M., D.P. Westfall and W.W. Fleming (1977). Association between morphine tolerance and supersensitivity in the vas deferens. Pharmacologist 19:411.

edan, J.S., D.P. Westfall and W.W. Fleming (1977). Analytical study of subcellular membranes from rabbit aorta: effect of reserpine pretreatment. Pharmacologist 19:162.

erthoffer, W.T., J.S. Fedan, D.P. Westfall and W.W. Fleming (1977). Effect of chronic reserpine treatment on the (Na^+, K^+) ATPase activity in guinea-pig vas deferens. Pharmacologist 19:243.

erthoffer, W.T., J.S. Fedan, D.P. Westfall and W.W. Fleming (1978). Characterization of subcellular fractions of the guinea-pig vas deferens: effect of denervation of marker enzymes. Fed. Proc. 37:784.

erthoffer, W.T., J.S. Fedan, D.P. Westfall and W.W. Fleming (1978). Kenetic characteristice of Na, K ATPase of supersensitive guinea-pig vas deferens. Pharmacologist 20:185.

edan, J.S., D.P. Westfall and W.W. Fleming (1978). Ca^{++} uptake by subcellular fractions of rabbit aorta: effect of treatment of animals with reserpine. Pharmacologist 20:226.

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